



Free Height

TE Internal #: 2357798-1  
PCB Mount Header, Vertical, Board-to-Board, 220 Position, .5 mm  
Centerline, Gold, Surface Mount, Signal, Black, Box / Tray, Free  
Height  
[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**  
PCB Mount Orientation: **Vertical**  
Connector System: **Board-to-Board**  
Number of Positions: **220**  
Centerline (Pitch): **.5 mm**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| PCB Connector Assembly Type       | PCB Mount Header      |
| Connector System                  | Board-to-Board        |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

|                              |          |
|------------------------------|----------|
| PCB Mount Orientation        | Vertical |
| Number of Positions          | 220      |
| Board-to-Board Configuration | Parallel |

Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Contact Features

|                                      |       |
|--------------------------------------|-------|
| Contact Mating Area Plating Material | Gold  |
|                                      | 8 µin |
| Contact Type                         | Pin   |



|                                                                 |                                                                                                                                 |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Contact Current Rating (Max)                                    | .5 A                                                                                                                            |
| Termination Features                                            |                                                                                                                                 |
| Termination Method to PCB                                       | Surface Mount                                                                                                                   |
| Mechanical Attachment                                           |                                                                                                                                 |
| Mating Alignment Type                                           | Polarized                                                                                                                       |
| Connector Mounting Type                                         | Board Mount                                                                                                                     |
| Housing Features                                                |                                                                                                                                 |
| Centerline (Pitch)                                              | .5 mm                                                                                                                           |
| Housing Material                                                | LCP (High Temp Thermoplastic)                                                                                                   |
| Dimensions                                                      |                                                                                                                                 |
| Stack Height                                                    | 8 mm                                                                                                                            |
| Usage Conditions                                                |                                                                                                                                 |
| Operating Temperature Range                                     | -40 – 125 °C                                                                                                                    |
| Operation/Application                                           |                                                                                                                                 |
| Circuit Application                                             | Signal                                                                                                                          |
| Industry Standards                                              |                                                                                                                                 |
| UL Flammability Rating                                          | UL 94V-0                                                                                                                        |
| Packaging Features                                              |                                                                                                                                 |
| Packaging Method                                                | Box, Tray                                                                                                                       |
| Product Compliance                                              |                                                                                                                                 |
| For compliance documentation, visit the product page on TE.com> |                                                                                                                                 |
| EU RoHS Directive 2011/65/EU                                    | Compliant                                                                                                                       |
| EU ELV Directive 2000/53/EC                                     | Compliant                                                                                                                       |
| China RoHS 2 Directive MIIT Order No 32, 2016                   | No Restricted Materials Above Threshold                                                                                         |
| EU REACH Regulation (EC) No. 1907/2006                          | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content                                                 | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free                                             |



Solder Process Capability

Reflow solder capable to 260°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # 2357739-1  
16G,05FH,REC,220PIN,4H,Hard Tray



TE Part # 2357739-2  
16G,05FH,REC,220PIN,4H,HT W/ CAP



TE Part # 2357739-3  
16G,05FH,REC,220P,4H,emboss w/ cap



TE Part # 2357739-5  
16G,05FH,REC,220PIN,4H,HT W/ BLACK CAP

Also in the Series | Free Height



PCB Headers & Receptacles(752)

Customers Also Bought



TE Part #1827341-4  
DDR SODIMM SOCKET 200P 8H STD TYPE



TE Part #2227595-1  
1X1 VERT ASSY, MINI SAS HD INTERNAL



TE Part #2000713-3  
RA Keyed Guide Mod, Vita 46, Machined



TE Part #1-6450869-4  
V/R 2ACP+1LP+32S+3HDP+1LP+1P





TE Part #2102735-1  
BP, Half Left End, MULTIGIG RT 2R



TE Part #2102736-1  
BP, Center, MULTIGIG RT 2R



TE Part #2102737-1  
BP, Right End, MULTIGIG RT 2R



TE Part #2000676-9  
Keyed Guide Pin, Machined, Multigig



TE Part #1-2176529-9  
3504G 3A 78R7 1% 1K RL

Documents

Product Drawings

16G,05FH,plug,220P,8H,HT, W/O CAP

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2357798-1\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2357798-1\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2357798-1\_A.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Product Specification

English